



E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM – 611 002. TAMILNADU,
Approved by AICTE, New Delhi,
Affiliated to Anna University, Chennai
(Accredited by NAAC with ‘A++’ Grade and All
eligible courses accredited by NBA, Ranking 201-
300 NIRF 2024)



Annual Report – 2022-23 & 2023-24

A. About IIC Institute

Vision: To create a vibrant local innovation ecosystem for Scouting Ideas and Pre-incubation of Ideas that lead to start-ups and entrepreneurship

Mission:

1. To enable the institute to actively engage students, faculty and staff in innovation and entrepreneurship activities
2. To create space for collaboration, co-creation, business relationships and knowledge exchange
3. To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion.
4. Identify and reward innovations and share success stories.

- Journey of IIC established at the Institute:

IIC EGSPEC was established in 2018. Ever since its inception it is actively involved in conducting various events.

By conducting various events , EGSPEC IIC earned the star rating as below:

2018– 19: 4 stars

2019– 20: 2 stars

2020– 21: 3 stars

2021– 22: 2 stars

List of council members:

Roles	Name & Details	Department	Designation	Qualification	Experience in Years
President	Dr S Ramabalan iic@egspec.org 9894831458	Mechanical	Principal	Doctorate	
Vice President	S Palani Murugan palanimurugan@egspec.org 9790486733	AIDS	HoD/AIDS	Doctorate	7
Start up Activity Coordinator	R Anandbabu anandbabu@egspec.org 9600768107	IT	Assistant Professor	Post Graduate	7

IPR Activity Coordinator	S Chockalingam smslogu@egspec.org 9894102442	Mech	Associate Professor	Doctorate	10
Social Media Coordinator	S Manikandan manikandan@egspec.org 9047902685	IT	HOD	Doctorate	7
Innovation Activity Coordinator	S Selvaganapathy selvaganapathy@egspec.org 9710196914	MCA	Assistant Professor	Post Graduate	7
NIRF Coordinator	Dr M Chinnadurai mchinnadurai@egspec.org 7373067032	CSE	Head	Doctorate	15
Internship Activity Coordinator	P Anandraj anandraj@egspec.org 9750922112	CSE	Associate Professor	Post Graduate	11
ARIIA Coordinator	M Chinnadurai ariia@egspec.org 9965528581	CSE	Professor	Doctorate	15
Convener	V Sathiya drvsathiya@egspec.org 9790098940	ECE	Associate Professor	Doctorate	15
Member	J Noorul Ameen noorul@egspec.org 9150132532	CSE	Assistant Professor	Post Graduate	8

- Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.

External members:

Role	Name	Email	Contact	Organization	Member	Experience	Qualification
Members	Prabaharan Balasubramanian	nagapattinam@nabard.org	9791137922	NABARD	Bank/Investor	12	Post Graduate
Members	Dr. K. Rathnakumar	rathnakumar@tnfu.ac.in	9443032439	College of Fisheries Engineering, Nagapattinam	Incubation Centre	28	Doctorate
Members	L Narayanaswamy	lnarayanaswamy.kutch@gmail.com	9677055217	Karaikal Port Pvt Ltd	Expert from nearby Industry/Industry association/Ecosystem Enablers	11	Post Graduate
Members	Arsad Rahman	support@beenetsoftwares.com	7845448366	Beenet Softwares	Start up/ Alumni Entrepreneur	3	Graduate

Student members:

Role	Name	Email	Discipline	Semester	Stream	Year
Members	Sivasankari R	vedhaikrishnan@gmail.com	ECE	3		2
	Sneka R	snekaravi221@gmail.com		1	CSE	
	Jaya A	jayaarokiya2000@gmail.com		1	CSE	
	Boopathy P	boopathy28601@gmail.com		1	ECE	
	Shalini A	shalinianbazhagan1907@gmail.com		1	ECE	
	Venkateswaran S	ksvenkateswarantr@gmail.com		1	EEE	
	Saranraj R	saranraj220200@gmail.com		1	IT	
	Balaji G	gbalaji2001@gmail.com		1	Mech	
	Saranraj M	saranrajmsraj5@gmail.com		1	Computer Applications	
Internship Coordinator	Sudhankumar N	sudhann002@gmail.com	ECE	5		3

B. Brief mention of key functionaries at the IIC Institute

- Principal: Dr. S. Ramabalan
- Convener: Dr.V.Sathiya/ASP-ECE

C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

Total No. of IIC Members	Teaching Faculty: 22 External members: 5 Student members: 43
Total No. of Innovation Ambassadors	15
Total Number of Faculty mentors from Portal	2
Pre-Incubation Units, if any	1. Entrepreneurship Development Cell (EGSPEC-EDC) 2. Innovation Cell (EGSPEC-IC)
Incubation Units, if any	-
IP Facilitation Unit, if any	1. IPR Cell - EGSPEC

IPR policy is adopted and implemented in the institute. The institute has well established Research and Development (R&D) Cell headed by Dean / R&D. Institute encourages the faculty

and students to apply for the patents with suitable financial assistance and guidance. The institute has zero tolerance to plagiarism. All the mini projects and major projects are checked against plagiarism on **Turnitin Software**.

D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

The institute has established **EDC cell** headed by Prof. Selva ganapathy, AP/MCA. It aims to encourage research, innovation and entrepreneurship to help the students to develop professional entrepreneurial ability and mindset to set up their own enterprises. The EDC encompasses 4 important avenues for the students to show case their innovative and creative abilities viz., **Institution’s Innovation Council (IIC), MSME- Business incubator, Entrepreneurship Development Cell (EDC) and National Innovation Startup Policy (NISP)**. The Centre shall develop the guiding framework to envision an educational system oriented towards start-ups and entrepreneurship opportunities for students, faculty and staff.

Institute has provided all the infrastructure in the form of Idea pitching rooms (4) Innovation Incubation seminar halls (2), Centre of excellences (6) to encourage the students and faculty to carry.

E. Highlight Achievements (Narrative/Graphical/tabular representation)

	AY2022-23	AY2023-24
Number and Different types of I&E and IPR activities Conducted	29	42
No. of student’s & faculty ideas generated	540	843
No. of student’s & faculty Innovation/prototypes developed	431	784
No. of IPs generated, published and granted	10	30
No. of Student & Faculty Start-ups/Ventures established.	-	02
Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus	1.25 laksh	1.5 laksh
Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR	46 laksh	78 laksh
No. of Technology Transfer and Commercialization happened	8	12

F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum

- 1) **Dr. M.Chinnadurai**, Prof of CSE, received a fund of **Rs 15.2 lakhs** for his innovative project- **Modelling of Chalcogenide Quantum dots for optoelectronic applications**, from **AICTE RPS** scheme.
- 2) **Dr. S.Ramabalan**, Prof of Mech, received a fund of **Rs 3.75 lakhs** for his innovative project- **Design and fabrication of semi-circular blade profile structure in vertical axis wind turbine for optimal power generation** , from **TNSCST S&T projects** scheme.
- 3) **Dr. S.Manikandan**, Prof of IT, received a fund of **Rs 1 lakh** for his innovative project from **AICTE SPICES** scheme.
- 4) **Ms. B. Ambika**, IT and her team participated and entered final round of **AICTE Hackathon – 2021**



G. Highlight selected best Innovations & images with mention of inventor/innovation name

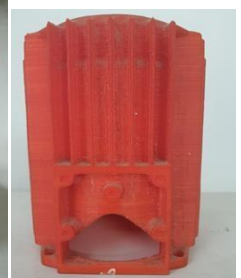
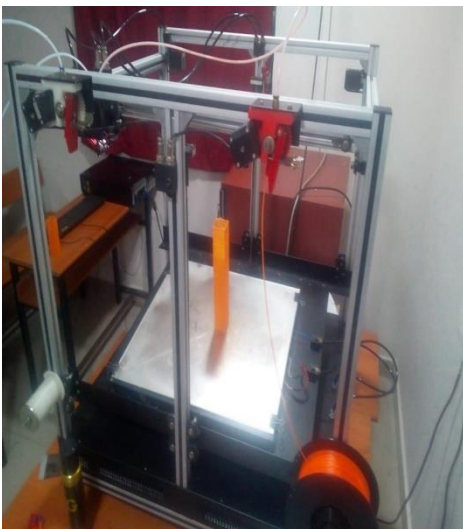


FRP BOATS- 2 MODELS

- Dr. V. Sivaraman, Professor/Mechanical Engg.



Multipurpose three wheeler (similar to auto) - Dr. V. Sivaraman, Professor/Mechanical Engg.



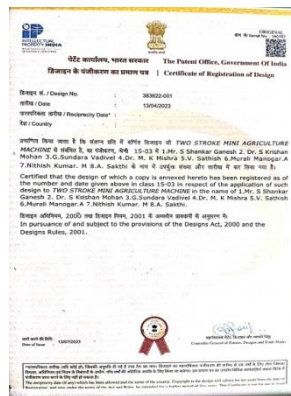
3 D PRINTER - Dr. V. Sivaraman, Professor/Mechanical Engg.



UV STERILIZER - Dr. V. Sivaraman, Professor/Mechanical Engg.

H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name –Few start-up companies are in discussion stage. They will be started soon.

I. List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation



Paddy Transplanted Machine – granted patent



Automatic cleaning Robot- Solar Panels



Portable Lathe



Dual Battery Controller for Solar Based Electric Vehicle



Blind Stick



Smart Car Parking System



Semi automatic oil bottle filling machine



Use of Waste Tyres and Plastics for Road Construction



Concrete block using waste material



Pervious concrete

J. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs

Our students are regularly participating in Smart India Hackathon events.

K. Detail of social media & Connections of IIC institute

Platform Name	Web link
Facebook	https://www.facebook.com/egspec/

L. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

Testimonial faculty – Dr.V.Sivaramakrishnan, Professor/Mech

Conduction of many programmes especially Ideathon competitions by IIC helped our students to exhibit their innovative skills. Nearly 100 plus day-to-day life problems were identified by our students. They presented their innovative solutions to those problems. Some students prepared few sample products and exhibited their talents. EGSPEC management gave prize money to all the best performers. So I congratulate and appreciate the efforts taken by IIC team especially IIC convener Dr.V.Sathiya madam.



Testimonial student – Mr.R.Vasanthram, IT 2018-2022 Batch

We participated in Smart India Hackathon 2022. IIC convener Dr. V.Sathiya was very helping in helping my project. Successfully we completed the project with the help of all teaching faculties in my department. I attended all IIC programs. They were all gave me a courage to think about starting a business. I thank the EGSPEC management for financial assistance towards my project and events participation.



Testimonial student – Mr.R.Muthu, ECE 2018-2022 Batch

IIC team members helped me a lot in finding my entrepreneurship skill. Now I started a start-up for making herbal soaps. EGSPEC management gave Rs.25000 as the starting amount for my start-up company. So my heartfelt thanks to the management, HoD, staffs and IIC team.



M. Images









N. Contact:

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Convener/IIC
drvsathiya@egspec.org
9790098940**